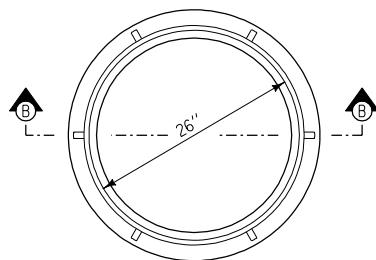
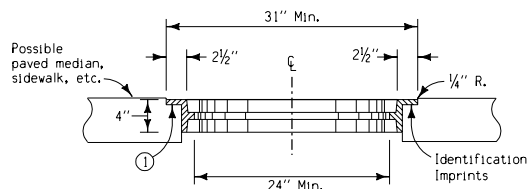


PLAN OF FRAME



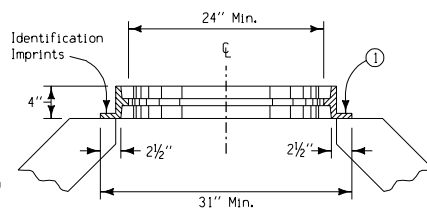
PLAN OF FRAME



SECTION A-A

TYPE 1 FRAME

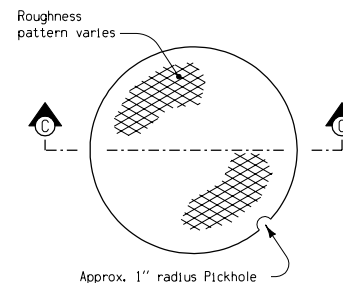
SLAB TYPE FOR CAST UTILITY ACCESSSES



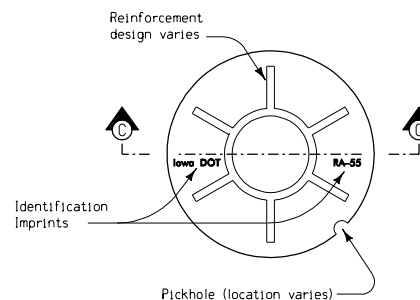
SECTION B-B

TYPE 2 FRAME

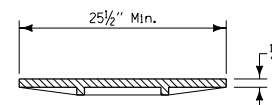
NECK BEARING TYPE FOR BUILT-UP UTILITY ACCESSSES



PLAN OF TOP



PLAN OF BOTTOM



SECTION C-C

COVER DETAILS

GENERAL NOTES:

All castings shall be Class 30 or better gray iron complying with current Standard and Supplemental Specifications. Finish of castings shall be smooth and free of defects. Painting of castings is not required; however, if used, paint shall be evenly applied and neither sticky nor brittle when dry.

An identification imprint "Iowa DOT RA-55" shall be placed on each frame and cover. The manufacturer may also imprint marks or trade names on the casting.

Lightweight utility access covers as described shall be used with appropriate frames of either slab type or neck-bearing type wherever utility accesses are not subject to roadway traffic.


When specified as part of the detail project plans, the RA-55 frame and cover will be required to be furnished with an approved locking device.

Unless specified otherwise, utility access covers shall not be paid for separately but shall be considered incidental to other work.

Machine bearing surfaces, if needed, to properly seat lid to frame.

① Flange thickness 5/8" minimum.

Minimum Weight	
Frame	Cover
105 lbs.	85 lbs.

 Iowa Department of Transportation Project Development Division	
STANDARD ROAD PLAN	RA-55
REVISION: Replaces Standard Road Plan RA-27.	
REVISION NO. New	
REVISION DATE 11-05-99	
APPROVED BY: <i>[Signature]</i> DESIGN METHODS ENGINEER	
CAST UTILITY ACCESS COVERS (Light)	